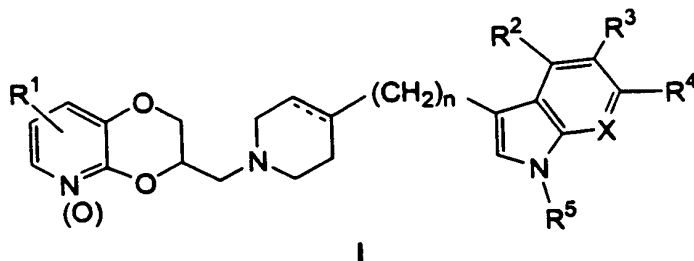


CLAIMS

What is claimed is:

- 5 (1) A compound of formula I



wherein

- 10 R¹ is selected from hydrogen, hydroxy, halo, cyano, carboxamido, carboalkoxy of two to six carbon atoms, trifluoromethyl, alkyl of 1 to 6 carbon atoms, alkoxy of 1 to 6 carbon atoms, alkanoyloxy of 2 to 6 carbon atoms, amino, mono- or di-alkylamino in which each alkyl group has 1 to 6 carbon atoms, alkanamido of 2 to 6 carbon atoms, or alkanesulfonamido of 1 to 6 carbon atoms;

- 15 R², R³, R⁴ and R⁶ are independently selected from hydrogen, halo, cyano, trifluoromethyl, alkyl of 1 to 6 carbon atoms, alkoxy of 1 to 6 carbon atoms, and alkanoyloxy of 2 to 6 carbon atoms; and

R⁵ is hydrogen or alkyl of 1 to 6 carbon atoms;

X is CR⁶ or N;

- 20 A dotted line represents an optional double bond;

(O) represents optional oxidation; and

n is an integer 0, 1 or 2;

or a pharmaceutically acceptable salt thereof

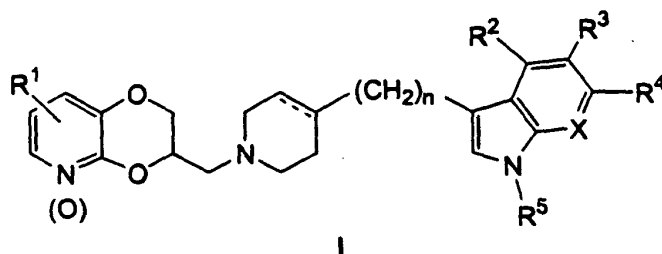
- 25 (2) A compound of Claim 1 wherein R¹ is hydrogen.

- (3) A compound of Claim 1 wherein R², R³ and R⁴ are independently selected from hydrogen, halogen, and cyano.

- (4) A compound of Claim 1 wherein R⁵ is hydrogen or lower alkyl.
- (5) A compound of Claim 1 wherein X is CR⁶.
- 5 (6) A compound of Claim 5 wherein R⁶ is hydrogen, halogen or cyano.
- (7) A compound of Claim 1 in which R¹ is attached to the 6-position of the 1,4-dioxino[2,3-b]pyridine and is hydrogen, hydroxy, halo, cyano, trifluoromethyl, amino, mono- or di-alkylamino in which each alkyl group has 1 to 6 carbon atoms, alkyl of
10 one to six carbon atoms or alkoxy of one to six carbon atoms; R², R³ and R⁴ are independently selected from hydrogen, halo, cyano, alkyl of one to six carbon atoms, and alkoxy of one to six carbon atoms; n is an integer 0 or 1; or a pharmaceutically acceptable salt thereof.
- 15 (8) A compound of Claim 1 in which R¹ is attached to the 6-position of the 1,4-dioxino[2,3-b]pyridine and is hydrogen, hydroxy or alkoxy of one to six carbon atoms, R², R³ and R⁴ are independently selected from hydrogen, halo and cyano, R⁵ is hydrogen, X is CR⁶, n is 0, and the dotted line represents a double bond; or a pharmaceutically acceptable salt thereof.
- 20 (9) A compound of Claim 7 wherein R⁶ is hydrogen, halo or cyano.
- (10) The compound of Claim 1 which 3-[[4-(1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl]-2,3-dihydro[1,4]dioxino[2,3-b]pyridine or a pharmaceutically
25 acceptable salt thereof.
- (11) The compound of Claim 1 which is 3-[[4-(5-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl]-2,3-dihydro[1,4]dioxino[2,3-b]pyridine or a pharmaceutically acceptable salt thereof.
- 30 (12) The compound of Claim 1 which is 3-{1-[2,3-dihydro[1,4]dioxino[2,3-b]pyridin-3-ylmethyl]-1,2,3,6-tetrahydro-4-pyridinyl}-1H-indole-5-carbonitrile or a pharmaceutically acceptable salt thereof.

(13) The compound of Claim 1 which is 3-[[4-(6-fluoro-1H-indol-3-yl)-3,6-dihydro-1(2H)-pyridinyl]methyl]-2,3-dihydro[1,4]dioxino[2,3-b]pyridine or a pharmaceutically acceptable salt thereof.

5 (14) A method of treating a subject suffering from a condition selected from depression, anxiety, panic disorder, post-traumatic stress disorder, premenstrual dysphoric disorder, attention deficit disorder, obsessive compulsive disorder, social anxiety disorder, generalized anxiety disorder, [obesity, eating disorders such as anorexia nervosa, bulimia nervosa, vasomotor flushing, cocaine and alcohol
10 addiction, and sexual dysfunction which comprises providing to the subject suffering from said condition, a therapeutically effective amount of a compound of formula I



wherein

15 R¹ is selected from hydrogen, hydroxy, halo, cyano, carboxamido, carboalkoxy of two to six carbon atoms, trifluoromethyl, alkyl of 1 to 6 carbon atoms, alkoxy of 1 to 6 carbon atoms, alkanoyloxy of 2 to 6 carbon atoms, amino, mono- or di-alkylamino in which each alkyl group has 1 to 6 carbon atoms, alkanamido of 2 to 6 carbon atoms, or alkanesulfonamido of 1 to 6 carbon
20 atoms;

R², R³, R⁴ and R⁶ are independently selected from hydrogen, halo, cyano, trifluoromethyl, alkyl of 1 to 6 carbon atoms, alkoxy of 1 to 6 carbon atoms, and alkanoyloxy of 2 to 6 carbon atoms; and

R⁵ is hydrogen or alkyl of 1 to 6 carbon atoms;

25 X is CR⁶ or N;

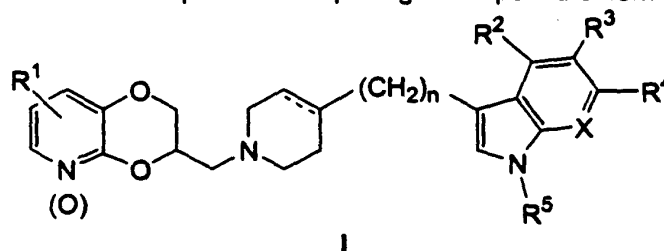
A dotted line represents an optional double bond;

(O) represents optional oxidation; and

n is an integer 0, 1 or 2;

or a pharmaceutically acceptable salt thereof.

- (15) The method of Claim 13 wherein the condition is depression.
- (16) The method of Claim 13 wherein the condition is obsessive compulsive disorder, panic attacks, generalized anxiety disorder or social anxiety disorder.
- (17) The method of Claim 13 wherein the subject is a human.
- (18) A pharmaceutical composition comprising a compound of formula I



wherein

R^1 is selected from hydrogen, hydroxy, halo, cyano, carboxamido, carboalkoxy of two to six carbon atoms, trifluoromethyl, alkyl of 1 to 6 carbon atoms, alkoxy of 1 to 6 carbon atoms, alkanoyloxy of 2 to 6 carbon atoms, amino, mono- or di-alkylamino in which each alkyl group has 1 to 6 carbon atoms, alkanamido of 2 to 6 carbon atoms, or alkanesulfonamido of 1 to 6 carbon atoms;

R^2 , R^3 , R^4 and R^6 are independently selected from hydrogen, halo, cyano, trifluoromethyl, alkyl of 1 to 6 carbon atoms, alkoxy of 1 to 6 carbon atoms, and alkanoyloxy of 2 to 6 carbon atoms; and

R^5 is hydrogen or alkyl of 1 to 6 carbon atoms;

X is CR^6 or N;

A dotted line represents an optional double bond;

(O) represents optional oxidation; and

n is an integer 0, 1 or 2;

or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable carrier or excipient.